FIG. 1

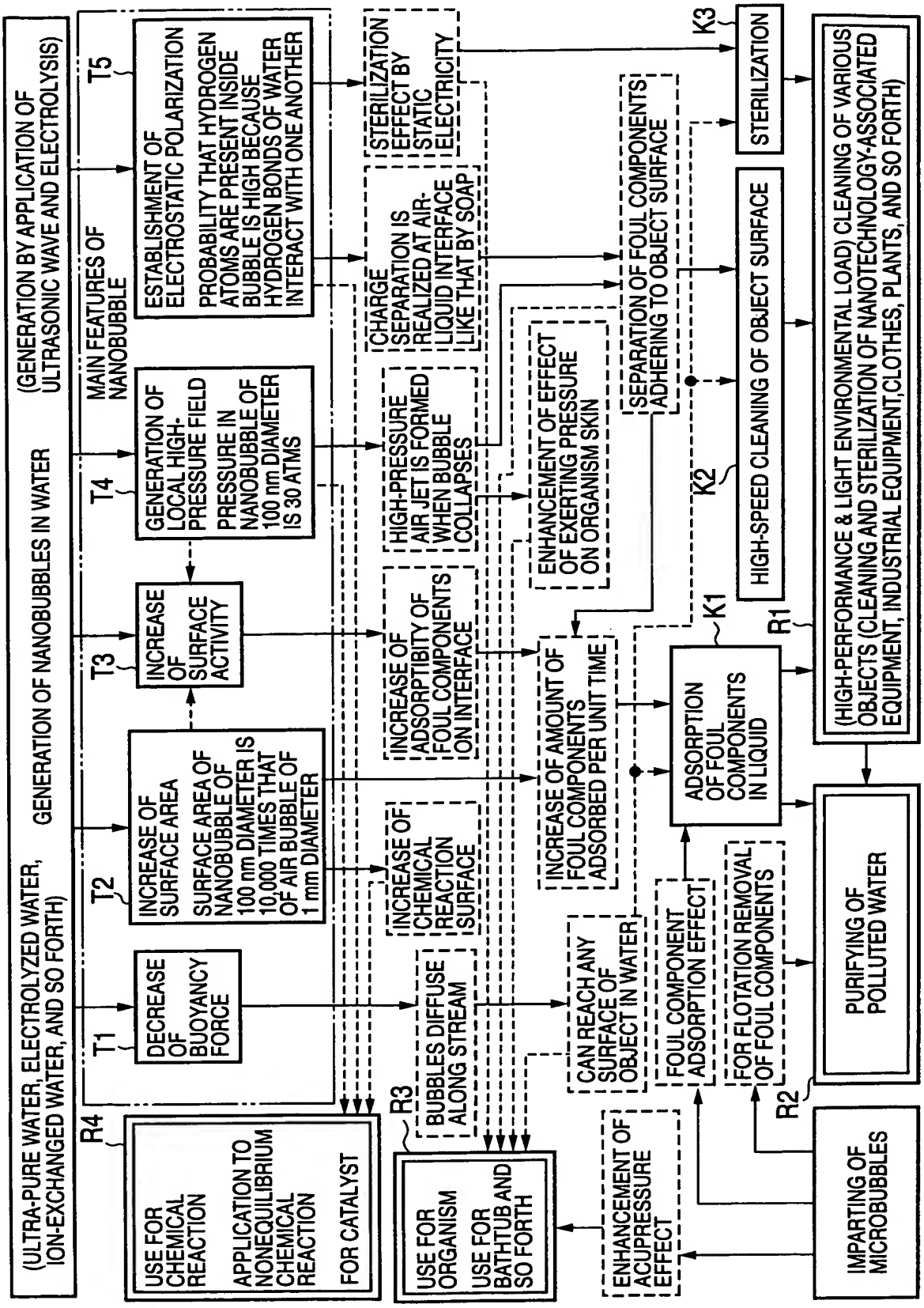

FIG. 2

ELECTROLYTIC SEPARATION PHENOMENON
SIMILAR TO SOAP ON NANOBUBBLE SURFACE

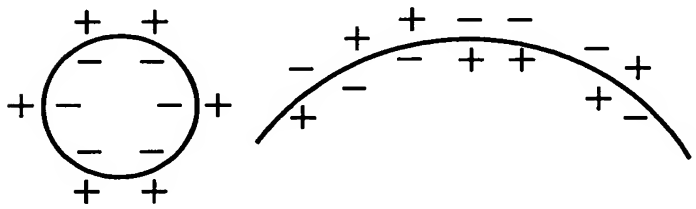

FIG. 3

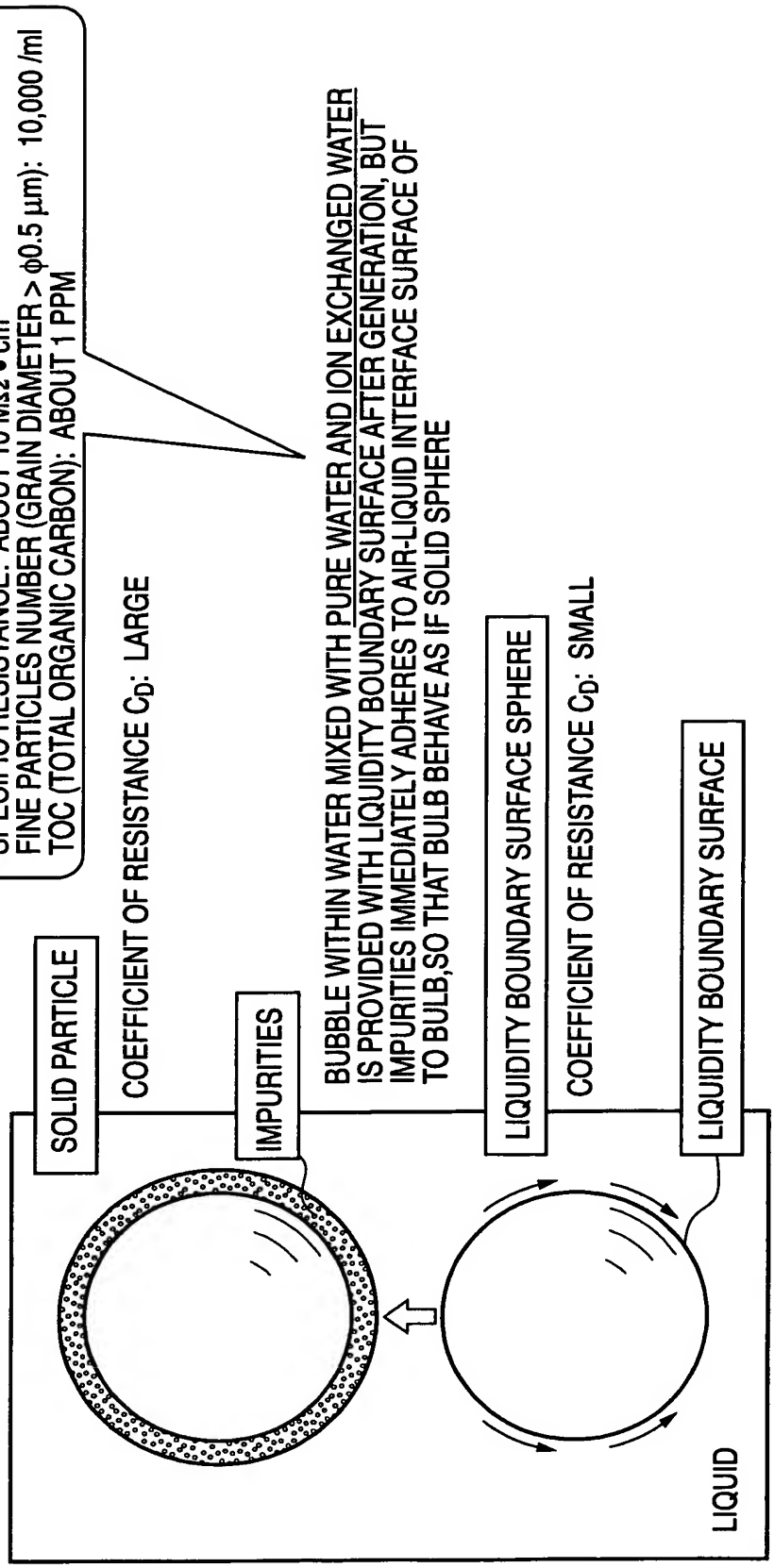

FIG. 4A

DEGREE OF POLLUTION OF WATER

(i) WATER QUALITY OF PERIPHERY OF BUBBLE (ppb)

NUMBER OF FINE PARTICLES (NUMBER/ML) WITHIN WATER \ TOTAL ORGANIC CARBON	5	7	12	16	19	27	198
4					▽		
11		◇	□			○	
15					△		
40	×			+			▼
320					▲		

(ii) GAS WITHIN BUBBLE

NUMBER OF FINE PARTICLES=6/ml TOTAL ORGANIC CARBON (TOC)=6ppb \	Air	N_2	He	Purified N_2
	●	■	◆	⊡

FIG. 4B

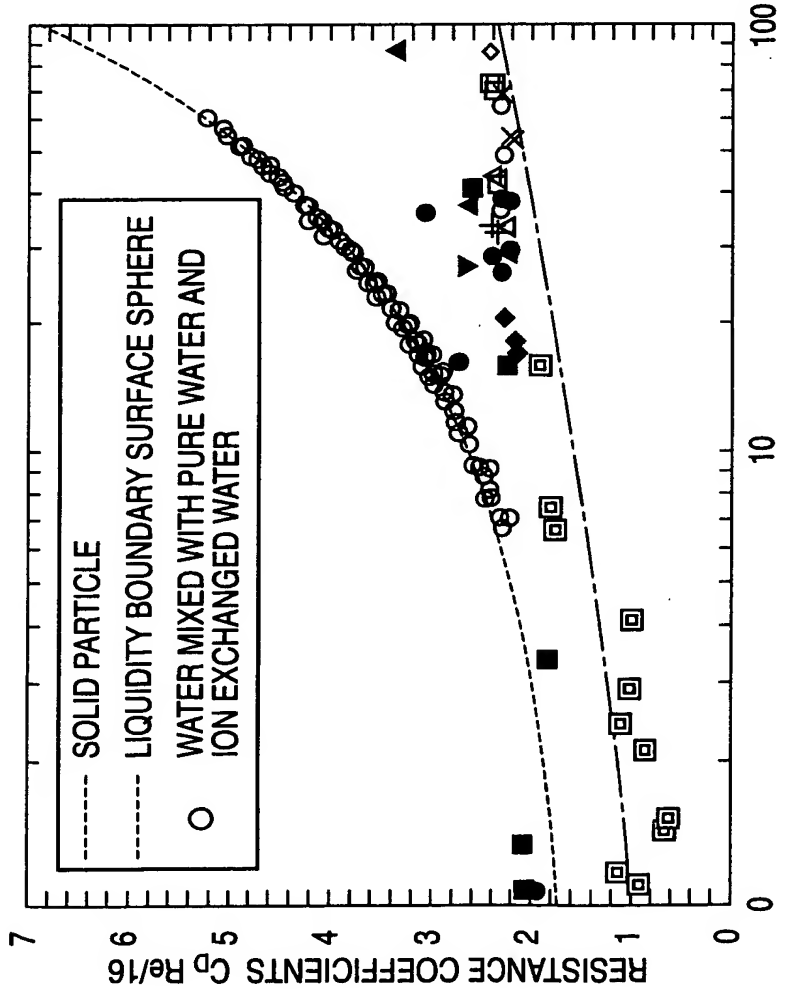

FIG. 5

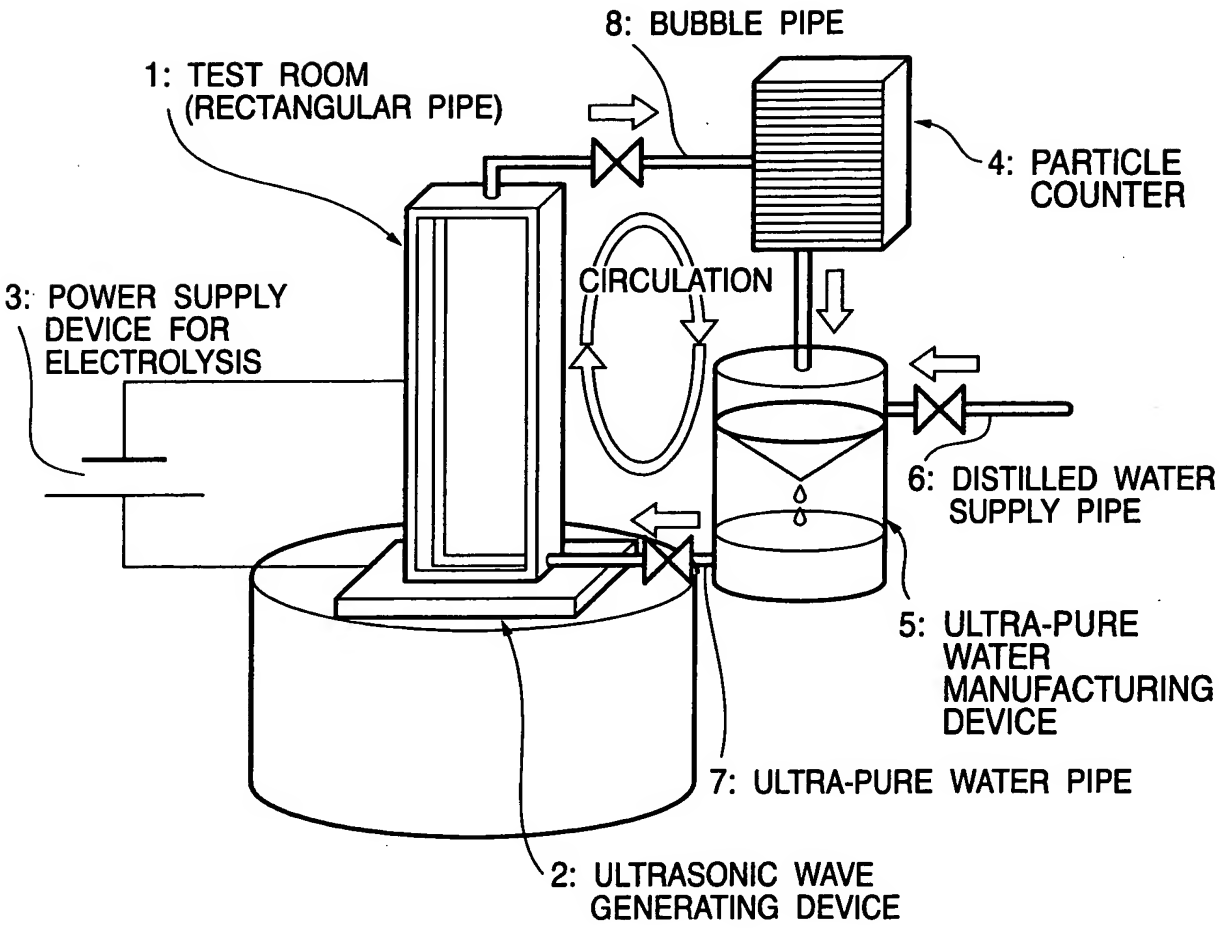

FIG. 6

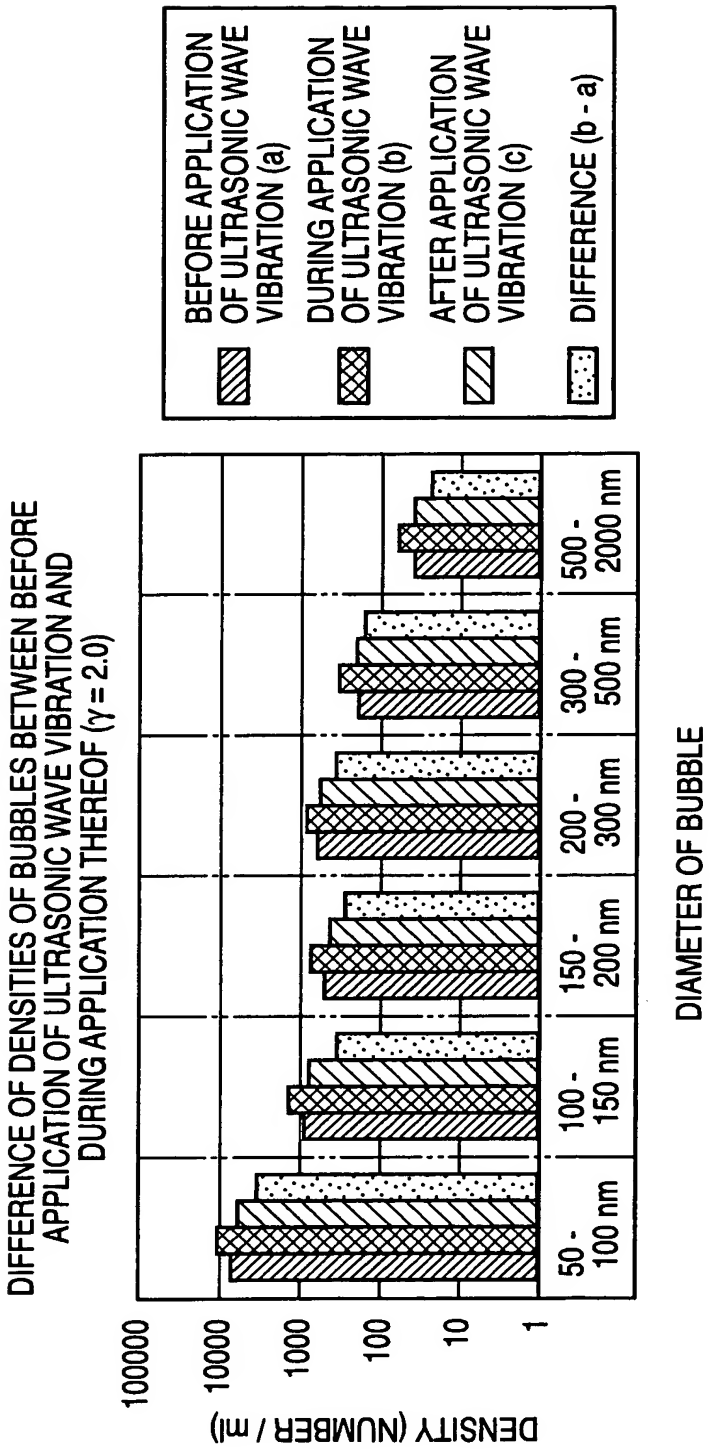

FIG. 7